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Instructors Reading this Document

No.

Name

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BY AUTHORITY OF John Steele of W.W. II Records
BY B. Gauthier
ON 26 Sep 77 SIGN

*B. Sawtooth
26 Sep 77*

SIGNAL OPERATION INSTRUCTIONS

~~GROUP 3 - Downgraded at 12 year intervals; not automatically declassified. DOD DIR 5200.10~~

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(1 SHEET)

G A OPERATION INSTRUCTIONS

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 0501 Z

1. THE FOLLOWING SIGNAL OPERATION INSTRUCTIONS (SOI) ARE EFFECTIVE AS INDICATED ON THE INDIVIDUAL ITEMS. WHEN CHANGES ARE ISSUED THE ITEMS SUPERSEDED WILL BE DESTROYED BY BURNING.

2. THE LOSS, CAPTURE OR COMPROMISE OF THIS SOI OR ANY PORTION THEREOF WILL BE REPORTED TO THIS HEADQUARTERS BY THE FASTEST MEANS AVAILABLE.

3. THIS SOI NORMALLY WILL BE KEPT IN THE MSG CEN OF UNIT TO WHICH IT IS ISSUED. EXCEPT TO AVOID CAPTURE, IT WILL NOT BE REMOVED FROM CP OF THE UNIT.

4. UNITS HOLDING THIS SOI WILL MAKE PROVISIONS FOR DESTROYING IT IF CAPTURE BECOMES IMMINENT. WHEN NECESSARY THAT INFORMATION CONTAINED IN THIS SOI BE REMOVED FROM CP IN WRITING, EXTRACTS MAY BE MADE. SUCH EXTRACTS, HOWEVER, WILL BE IN SUCH FORM THAT THEY CAN BE DESTROYED IMMEDIATELY IF CAPTURE BECOMES IMMINENT.

5. THIS SOI, AS A COMPLETE DOCUMENT, IS CLASSIFIED "CONFIDENTIAL". CERTAIN ITEMS ARE CLASSIFIED "CONFIDENTIAL" AND OTHERS "RESTRICTED". EXTRACTS FROM THE SOI WILL CARRY THE CLASSIFICATION OF THE EXTRACTED ITEM.

BY COMMAND OF MAJOR GENERAL HILLDRING:

C. J. BARRETT
COL G S C
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OFFICIAL:

David M. Fowler
DAVID M. FOWLER
LT COL GSC
AC OF S G-3

SHEET 1

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SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
15 JULY 43 Ø5Ø1 Z**UNCLASSIFIED**INDEX
NO 13

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GROUP 2

ITEM 1

SHEET 1

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SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 0501Z

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DISTRIBUTION "S"
NO 1

	<u>COPIES</u>
THIRD ARMY -----	2
X CORPS -----	6
HQ 84TH INF DIV -----	2
DIV SIG O -----	10
84TH SIG CO -----	3
84TH CAV RCN TRP -----	1
309TH MED BN -----	1
309TH ENGR BN -----	1
784TH ORD CO -----	1
84TH QM CO -----	1
HQ DIV ARTY -----	2
325TH FA BN -----	2
326TH FA BN -----	2
327TH FA BN -----	2
909TH FA BN -----	2
333RD INF REGT -----	8
334TH INF REGT -----	8
335TH INF REGT -----	8
TOTAL	62

ITEM 2

SHEET 1

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SIGNAL OPERATION INSTRUCTIONS

(2 SHEETS)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 0501 Z

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COMMUNICATION INSTRUCTIONS
NO 1

1. GENERAL: COMMUNICATIONS IN GENERAL WILL BE CARRIED ON IN ACCORDANCE WITH INSTRUCTIONS CONTAINED IN CURRENT FIELD MANUALS AND SOP.

2. MESSAGE CENTER: MSG CEN OPERATION WILL BE CONTINUOUS AT EACH FIELD CP AND RR ECH. MESSAGES SUBMITTED TO MSG CEN FOR TRANSMISSION WILL BE IN SUFFICIENT QUANTITY TO PROVIDE ONE COPY PER ADDRESSEE PLUS ONE FOR MSG CEN FILE.

3. TELEPHONE: TP SVC IS PROVIDED PRIMARILY FOR THE USE OF THE CG (CO) AND HIS PRINCIPAL STAFF OFFICERS. ITS USE WILL BE LIMITED TO THOSE SITUATIONS WHERE DISCUSSION IS NECESSARY. WHEN USED THE FOLLOWING PRACTICES WILL BE DESERVED: (1) PREPARE SUBJ MATTER OF CONVERSATION BEFORE PLACING CALL; (2) PLACE CALL BY CODE NAME AND NUMBER; (3) DO NOT HANG UP PENDING COMPLETION OF CALL UNLESS OPERATOR SO INSTRUCTS; (4) DO NOT LEAVE TELEPHONE PENDING COMPLETION OF CALL; (5) IF CALLED PARTY IS ABSENT OR HIS LINE IS BUSY CALL BACK LATER, DO NOT HOLD LINE; (6) ANSWER PHONE PROMPTLY GIVING CODE NAME AND NUMBER; (7) RING OFF UPON COMPLETION OF CONVERSATION.

4. TELEGRAPH: FULL USE WILL BE MADE OF AVAILABLE TG FACILITIES. LONG MESSAGES AND ROUTINE REPORTS WILL BE SENT BY TG WHEN MSGR TRANSMISSION IS NOT PRACTICAL.

5. RADIO: (1) WHERE OTHER MEANS OF COMMUNICATION ARE AVAILABLE RADIO WILL BE CONSIDERED AN EMERGENCY MEANS, (2) RADIO STATIONS WILL OPERATE ONLY ON THEIR ASSIGNED FREQUENCIES WITH THEIR AUTHORIZED CALL SIGNS OR WORDS, (3) NO RADIO STATION WILL OPERATE UNDER OR IN THE IMMEDIATE VICINITY OF POWER LINES.

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— [REDACTED]
(4) ALL RADIO NETS WILL BE CALIBRATED AGAINST THE
UNIT'S FREQUENCY METER EACH TIME A NET IS PLACED
IN OPERATION AND EVERY SIX HOURS DURING OPERATION;
(5) UNIT FREQUENCY METERS WILL BE CALIBRATED BY THE
DSO ONCE EACH THIRTY DAYS.

6. CRYPTOGRAPHIC SECURITY: ALL AGENCIES
HANDLING CRYPTOGRAPHIC MATERIALS WILL PROVIDE
THEMSELVES WITH THE NECESSARY FACILITIES AND FUEL
TO COMPLETELY DESTROY ALL CRYPTOGRAPHIC MATERIALS
AND EQUIPMENT, INCLUDING FILE COPIES OF MESSAGES,
IF CAPTURE IS IMMINENT.

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SIGNAL OPERATION INSTRUCTIONS

(20 SHEETS)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 0501 Z**UNCLASSIFIED**RADIO NETS, FREQUENCIES, CALL SIGNS
NO 5

	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
DIV COMMAND NET	- - -		E4R8	SCR-284
84TH INF DIV	- - -	0001-0930	H-4179	G2E7
333RD INF	- - -		U1N6	
334TH INF	- - -	0931-1500	F-4100	S9A3
335TH INF	- - -		Y1Y6	
DIV ARTY HQ	- - -	1501-2400	E-4023	7025
DIV MARCH COMMAND NET	- - -		71Y8	SCR-193
84TH DIV HQ	- - -	0001-0930	E-4023	G2E7
CT 333	- - -		N5E7	
CT 334	- - -	0931-1500	H-4179	S812
CT 335	- - -		E7U4	
DIV TROOPS	- - -	1501-2400	N-3825	57U1
NOTE: SIG CO RADIO CARS. WHEN COMBAT TEAMS ARE				
DISSOLVED, THE REGULAR DIV COMMAND NET TAKES OVER,				
THIS NET IS CLOSED AND SIG CO CARS RETURN TO DIV CP.				
DIV AA-AT WARNING NET	- - -		R2M4	
*84TH DIV HQ	- - -		G2E7	SCR-193
84TH CAV RCN TR	- -		M8E3	SCR-193
333RD INF	- - -	0001-0930	0-4146	U1N6
AT CO 333RD INF	-		79Y7	SCR-245
334TH INF	- - -	0931-1500	0-4146	S9A3
AT CO 334TH INF	-		Z5M9	SCR-245
335TH INF	- - -	1501-2400	0-4146	Y1Y6
AT CO 335TH INF	-		A2Q4	SCR-245
**DIV ARTY HQ	- - -		7025	SCR-284
*DIV ARTY HQ	- - -		CHAN"D"	SCR-608
**325TH FA BN	- - -		6GN9	SCR-284
**326TH FA BN	- - -		5T23	SCR-284

(CONTINUED ON SHEET 2)

ITEM 4

SHEET 1

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
DIV AA-AT WARNING NET (CONTINUED FROM SHEET 1)				
**327TH FA BN	- - -		Q1U6	SCR-284
**909TH FA BN	- - -		M7M1	SCR-284
**309TH ENGR BN	- - -		J3Y7	SCR-284
NOTES:				
* THE T&T SECTION 84TH SIG CO WILL FURNISH DIRECT TP CONNECTION BETWEEN DIV WARNING NET NCS AND WHATEVER CAR DIV ARTY DESIGNATES AS NCS AND DIV ARTY AA-AT WARNING NET.				
** UNIT WILL LISTEN AND BE PREPARED TO TRANSMIT IN THIS NET WHEN SET IS NOT REQUIRED IN COMMAND OR AIR-GROUND NETS.				

DIV RCN NET	- - -	'0001-0930'	F-4100	U9K9
84TH INF DIV HQ	- - -	'0931-1500'	N-3825	G2E7
(SIG CO RAD CAR)				SCR-193
84TH CAV RCN TR	- - -	'1501-2400'	D-4206	M8E3

MOBILE NET (84TH SIG CO)			1H73	SCR-193
CAR #1	- - -	'0001-0930'	T-2301	A7B2
CAR #2	- - -		F901	(SIG CO
CAR #3	- - -	'0931-1500'	R-3094	RAD CAR
CAR #4	- - -		66B2	
CAR #5	- - -	'1501-2400'	07S1	SEE NOTE
CAR #6	- - -	'Q-2037'	L6E8	BELOW
			J204	

NOTE: THESE STATIONS WILL STAND BY ON NET FREQ
AND AWAIT INSTRUCTIONS.

DIV REAR OP NET	- - -		22	CABIN
DIV HQ	- - -			CABBAGE
OP #1 (333RD INF)	-			CABLE
OP #2 (334TH INF)	-			CABMAN
OP #3 (335TH INF)	-			CACKLE
OP #4 (DIV ARTY)	-			CAD

DIV SVC NET	- - -		V7X9	
DIV CP	- - -	'0001-0930'	D-4206	G2E7
DIV RR ECH	- - -	'0931-1500'	E-4023	A3S4
309TH ENGR BN	- - -	'1501-2400'	F-4100	J3Y7
				SCR-284

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
333RD INF COMMAND NET			F7V6	SCR-284
333RD INF HQ	0001-0930	G-3801	U1N6	
1ST BN			6093	
2ND BN	0931-1500	L-5155	NL98	
3RD BN			L4D8	
*AT CO	1501-2400	I-3964	T9Y7	
*SVC CO			19C5	
NOTE: * THESE ORG TO BE FURN SCR-284 RADIO SETS AND CREWS BY RGMTL COM PL WHEN RGMTL CO CONSIDERS THE SITUATION WARRANTS ES- TABLISHMENT OF ANY OR ALL OF THESE ADDTL COM CHANNELS.				
333RD INF INT AND RCN NET		COIL #1	CADDY	SCR-511
INT & RCN PLAT HQ			CADENCE	
(SET #1)				
SET #2			CADET	
SET #3			CADRE	
SET #4			CAFE	
ANTITANK CO 333RD INF				
COMMAND NET		*	CAGE	SCR-536
ANTITANK CO HQ (SET #1)			CAIN	
SET #2			CAKE	
SET #3			CALF	
SET #4			CASTOFF	
SET #5			CALM	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 IS TUNED WHEN ISSUED				
333RD INF SCR-195 SPECIAL NETS				SCR-195
TEAM #1		5		
SET 1			CAME	
SET 2			CAMEL	
TEAM #2		7		
SET 3			CAMP	
SET 4			CAMPUS	
(CONTINUED ON SHEET 4)				

ITEM 4

SHEET 3

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	EFFECTIVE	REQ	CALL	TYPE
	KD	SIGN	RAD SET	
333RD INF 604195 SPECIAL NETS (CONTINUED FROM SHEET 3)				
TEAM #3		9	SCR-195	
SET 5			CAN	
SET 6			CANAL	
TEAM #4		11		
SET 7			CANCEL	
SET 8			CANDLE	
1ST BN 333RD INF				
COMMAND NET	*		CANDY	SCR-536
1ST BN HQ			CANNON	
1ST BN OP			CANNOT	
A COMPANY			CANOE	
B COMPANY			CANTEEN	
C COMPANY			CANVAS	
D COMPANY			CAT	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
2ND BN 333RD INF				
COMMAND NET	*		CAPTAIN	SCR-536
2ND BN HQ			CAPE	
2ND BN OP			CAPSULE	
E COMPANY			CAMPHOR	
F COMPANY			CALLER	
G COMPANY			CALCIUM	
H COMPANY			CHAP	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
3RD BN 333RD INF				
COMMAND NET	*		CAR	SCR-536
3RD BN HQ			CARBINE	
3RD BN OP			CARBIDE	
I COMPANY			CARE	
K COMPANY			CAREER	
L COMPANY			CAREFUL	
M COMPANY			CARELESS	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				

ITEM 4

SHEET 4

UNCLASSIFIED

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
334TH INF COMMAND NET			V5P7	SCR-284
334TH INF HQ	0001-0930	1-3964	S9A3	
1ST BN			C601	
2ND BN	0931-1500	U-5669	64P1	
3RD BN			6W51	
*AT CO	1501-2400	L-5155	Z5M9	
*SVC CO			P6A7	
NOTE: *THESE ORG TO BE FURN SCR-284 RADIO SETS AND CREWS BY RGMLT COM PL WHEN RGMLT CMDR CONSIDERS THE SITUATION WARRANTS ESTABLISHMENT OF ANY OR ALL OF THESE ADDTL COM CHANNELS.				

334TH INF INT & RCN NET	COIL 2	CARGO	SCR-511
INT & RCN PLAT HQ---		CARLINE	
(SET #1)			
SET #2		CARP	
SET #3		CARRIAGE	
SET #4		CARRY	

ANTITANK CO 334TH INF			
COMMAND NET	*	CART	SCR-536
ANTITANK CO HQ (SET #1)		CARVE	
SET #2		CASE	
SET #3		CASH	
SET #4		CASKET	
SET #5		CASTLE	
*FREQUENCY WILL BE THAT TO WHICH SCR-536 IS TUNED WHEN ISSUED			

334TH INF SCR-195 SPECIAL NETS			SCR-195
TEAM #1	13		
SET 1		CARRIED	
SET 2		CARTON	
TEAM #2	15		
SET 3		CASHIER	
SET 4		CASING	

(CONTINUED ON SHEET 6)

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
334TH INF SCR-195 SPECIAL NETS (CONTINUED FROM SHEET 5)				
TEAM #3	- - - - -	17	SCR-195	
SET 5	- - - - -		'CASTOR'	
SET 6	- - - - -		'CATCHER'	
TEAM #4	- - - - -	19		
SET 7	- - - - -		'CAUTION'	
SET 8	- - - - -		'CAVE'	
<hr/> 1ST BN 334TH INF				
COMMAND NET	- - - - -	*	'CHOW'	SCR-536
1ST BN HQ	- - - - -		'CEASE'	
1ST BN OP	- - - - -		'CEDAR'	
A COMPANY	- - - - -		'CELL'	
B COMPANY	- - - - -		'CENSOR'	
C COMPANY	- - - - -		'CENTRAL'	
D COMPANY	- - - - -		'CERTAIN'	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
<hr/> 2ND BN 334TH INF				
COMMAND NET	- - - - -	*	'CHAIR'	SCR-536
2ND BN HQ	- - - - -		'CHALK'	
2ND BN OP	- - - - -		'CELLAR'	
E COMPANY	- - - - -		'CAUTIOUS'	
F COMPANY	- - - - -		'CATCH'	
G COMPANY	- - - - -		'CARVER'	
H COMPANY	- - - - -		'CARD'	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
<hr/> 3RD BN 334TH INF				
COMMAND NET	- - - - -	*	'CHAMBER'	
3RD BN HQ	- - - - -		'CHAMP'	
3RD BN OP	- - - - -		'CHANCE'	
I COMPANY	- - - - -		'CAESAR'	
K COMPANY	- - - - -		'CAMEO'	
L COMPANY	- - - - -		'CAMPAIGN'	
M COMPANY	- - - - -		'CAMPFIRE'	
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KHz	SIGN	RAD SET
335TH INF COMMAND NET			K2H9	SCR-284
335TH INF HQ	0001-0930	L-5155	YIY6	
1ST BN			I7J2	
2ND BN	0931-1500	G-3801	W4V1	
3RD BN			D805	
*AT CO	1501-2400	U-5669	A2Q4	
*SVC CO			H9E7	
NOTE: *THESE ORG TO BE FURN SCR-284 RADIO SETS AND CREWS BY RGMLT COM PL WHEN RGMLT CMDR CONSIDERS THE SITUATION WARRANTS ES- TABLISHMENT OF ANY OR ALL OF THESE ADDTL COM CHANNELS.				

335TH INF INT & RCN NET	COIL #3 CHANGE	SCR-511
INT & RCN PLAT HQ	CHANT	
(SET #1)		
SET #2	CABBY	
SET #3	CACTUS	
SET #4	CALLOUS	

ANTITANK CO 335TH INF		
COMMAND NET	*	CENT
ANTITANK CO HQ (SET #1)		CENSUS
SET #2		CHANDLER
SET #3		CANDID
SET #4		CANOPY
SET #5		CHAPLIN
*FREQUENCY WILL BE THAT TO WHICH SCR-536 IS TUNED WHEN ISSUED		

335TH INF SCR-195 SPECIAL NETS		SCR-195
TEAM #1	21	
SET 1		CAPSTONE
SET 2		CAREFREE
TEAM #2	23	
SET 3		CARESS
SET 4		CARLINE

(CONTINUED ON SHEET 8)

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UNIT	EFFECTIVE	KC	SIGN	RAD SET
335TH INF SCR-195 SPECIAL NETS (CONTINUED FROM SHEET 7)				
TEAM #3		10		
SET 5				'CARMAN'
SET 6				'CAROL'
TEAM #4		16		
SET 7				'CARPET'
SET 8				'CARROT'
1ST BN 335TH INF				SCR-536
COMMAND NET		*		'CARTRIDGE'
1ST BN HQ				'CARTFUL'
1ST BN OP				'CAST'
A COMPANY				'CATBOAT'
B COMPANY				'CATER'
C COMPANY				'CATHODE'
D COMPANY				'CAUSE'
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
2ND BN 335TH INF				
COMMAND NET		*		'CATFISH' SCR-536
2ND BN HQ				'CAUGHT'
2ND BN OP				'CAVERN'
E COMPANY				'CEMENT'
F COMPANY				'CHAFF'
G COMPANY				'CHIEF'
H COMPANY				'CHALLENGE'
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				
3RD BN 335TH INF				
COMMAND NET		*		'CHARLIE' SCR-536
3RD BN HQ				'CHAPEL'
3RD BN OP				'CHAPTER'
I COMPANY				'CHARCOAL'
K COMPANY				'CHARGE'
L COMPANY				'CHERRY'
M COMPANY				'CHARM'
* FREQUENCY WILL BE THAT TO WHICH SCR-536 ARE TUNED WHEN ISSUED				

ITEM 4

SHEET 8

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UNIT	EFFECTIVE	FREQ	CALL	TYPE	RAD SET
DIV ARTY COMMAND NET			75J3	SCR-284	
DIV ARTY HQ	0001-0930	U-5669	7C25		
325TH FA BN			6GN9		
326TH FA BN	0931-1500	I-3964	5T23		
327TH FA BN			Q1V6		
909TH FA BN	1501-2402	G-3801	M7M1		
DIV ARTY AIR					
FREQUENCY "W"		3865	N9D7	SCR-284	
FREQUENCY "X"		3931	N9D7	SCR-284	
FREQUENCY "Y"		5199	N9D7	SCR-284	
FREQUENCY "Z"		5254	N9D7	SCR-284	
DIV ARTY HQ			7C25		
325TH FA BN			6GN9		
326TH FA BN			5T23		
327TH FA BN			Q1V6		
909TH FA BN			M7M1		
*PLANE 1					
*PLANE 2					
*PLANE 3					
*PLANE 4					

*PLANES USE CALL SIGNS ASSIGNED BY PARENT ORGANIZATION

DIV ARTY AA-AT		27.5	CAISSON	
WARNING NET		D		
DIV ARTY CMDR (SET 1 CAR 1)			CHIP	SCR-608
DIV ARTY EXEC O (SET 2 CAR 2)			CHAIN	SCR-608
325TH FA BN CMDR'S CAR			CHIN	SCR-608
325TH FA BN AA-AT CAR			CHILL	SCR-628

(CONTINUED ON SHEET 10)

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
DIV ARTY AA-AT WARNING NET (CONTINUED FROM SHEET 9)				
326TH FA BN COMDR'S CAR			'CHIMNEY'	SCR-608
326TH FA BN AA-AT CAR			'CATSUP'	SCR-628
327TH FA BN COMDR'S CAR			'CHEST'	SCR-608
327TH FA BN AA-AT CAR			'CHEESE'	SCR-628
909TH FA BN COMDR'S CAR			'CHECK'	SCR-608
909TH FA BN AA-AT CAR			'CHEW'	SCR-628
THE ABOVE RADIO EQUIPPED CARS WILL ALWAYS CARRY NECESSARY EQUIPMENT TO ENABLE PERSONNEL TO IMMEDIATELY SOUND AURAL AA-AT WARNINGS.				
DIV ARTY CMDR SPECIAL		27.0	(NONE)	
NET		T		
DIV ARTY CMDR			'CHIP'	SCR-608
DIV ARTY EXEC O			'CHAIN'	SCR-608

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
325TH FA BN CONTROL NET		28.9	CHILDREN	
		K		
BN CMDR'S CAR	- - - - -		CHIN	SCR-608
BN EX CAR	- - - - -		CHIFFON	SCR-608
BN S-4 (CO SVC BTRY	- - - - -		CHEVRON	SCR-628
BN RCN DET	- - - - -		CHEMIST	SCR-610
BN MUN O	- - - - -		CHESTNUT	SCR-628
A BATTERY	- - - - -		CHECKUP	SCR-608
B BATTERY	- - - - -		CHEAT	SCR-608
C BATTERY	- - - - -		CHAUFFEUR	608
325TH FA BN LIAISON NET 1		29.0		
		A		
FD SET #1	- - - - -		CARBON	SCR-610
LIAISON O #1	- - - - -		CAPTOR	SCR-610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO				
CHANNEL "C"				
325TH BN LIAISON NET 2		29.0		
		C		
FD SET #3	- - - - -		CARL	SCR-610
LIAISON O #2	- - - - -		CATPAW	SCR-610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO				
CHANNEL "A"				
A BTRY 325TH FA BN CONTROL		29.0	CHART	
& FD NET	- - - - -	A		
BN FD SET 1	- - - - -		CARBON	SCR-610
BC A BTRY	- - - - -		CHECKUP	SCR-608
RCN O A BTRY	- - - - -		CHASE	SCR-610
EXEC A BTRY	- - - - -		CHASSIS	SCR-610
ASST EXEC A BTRY	- - - - -		CHATTER	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO				
CHANNEL "C"				

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
B BTRY 325TH FA BN CONTROL		29.8		
& FD NET	- - - - -	B	CATTLE	
BN FD SET 2	- - - - -		'CHARTER	SCR-610
BC B BTRY	- - - - -		'CHEAT	SCR-608
RCN O B BTRY	- - - - -		'CATGUT	SCR-610
EXEC O B BTRY	- - - - -		'CHAT	SCR-610
ASST EXEC O B BTRY	- - - - -		'CHEER	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO				
CHANNEL "A"				
C BTRY 325TH FA BN CONTROL		29.9		
& FD NET	- - - - -	C	'CHICKEN	
BN FD SET 3	- - - - -		'CARL	SCR-610
BC C BTRY	- - - - -		'CHAUFFEUR	608
RCN O C BTRY	- - - - -		'CENTER	SCR-610
EXEC O C BTRY	- - - - -		'CHARM	SCR-610
ASST EXEC O C BTRY	- - - - -		'CHIRP	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO				
CHANNEL "A"				

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SHEET 12

UNCLASSIFIED

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
326TH FA BN CONTROL NET		30.4	CHOIR	
		K		
BN CMDR'S CAR	- - -		'CHIMNEY	SCR-608
BN EXEC CAR	- - -		'CHATEAU	SCR-608
BN S-4 (CO SVC BTRY)	- - -		'CHOKE	SCR-628
BN RCN DET	- - -		'CHOOSE'	SCR-610
BN MUN O	- - -		'CHRONIC	SCR-628
A BATTERY	- - -		'CHROME'	SCR-608
B BATTERY	- - -		'CHOP'	SCR-608
C BATTERY	- - -		'CHLORINE'	608
326TH FA BN LIAISON NET 1		30.5		
		A		
FD SET #1	- - -		'CATNIP'	SCR-610
LIAISON O #1	- - -		'CHARMING'	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "C"				
326TH FA BN LIAISON NET 2		31.1		
		C		
FD SET #3	- - -		'CANNED'	SCR-610
LIAISON O #2	- - -		'CARVING'	SCR-610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "A"				
A BTRY 326TH FA BN CONTROL		30.5		
& FD NET	- - -	A	'CANINE'	
BN FD SET 1	- - -		'CATNIP'	SCR-610
BC A BTRY	- - -		'CHROME'	SCR-608
RCN O A BTRY	- - -		'CASHBOOK'	610
EXEC O A BTRY	- - -		'CHILD'	SCR-610
ASST EXEC O A BTRY	- - -		'CATCHWORD'	610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "C"				

UNCLASSIFIED

CLASSIFIED

UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
B BTRY 326TH FA BN CONTROL		31.0		
& FD NET		B	CHRISTMAS	
BN FD SET 2			CHARLOTTE	SCR-610
BC B BTRY			CHOP	SCR-608
RCN O B BTRY			CANTON	SCR-610
EXEC O B BTRY			CAPESKIN	610
ASST EXEC O B BTRY			CAMPER	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CAHNNEL "A"				

UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
C BTRY 326TH FA BN CONTROL		31.1		
& FD NET		C	CHUM	
BN FD SET 3			CANNED	SCR-610
BC C BTRY			CHLORINE	608
RCN O C BTRY			CHURN	SCR-610
EXEC O C BTRY			CHURCH	SCR-610
ASST EXEC O C BTRY			CHUTE	SCR 610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "A"				

UNCLASSIFIED

UNCLASSIFIED

UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
327TH FA BN CONTROL NET		31.6	CHAMP	
		K		
BN CMDR'S CAR	- - -		CHEST	SCR-608
BN EXEC CAR	- - -		CHUNK	SCR-608
BN S-4 (CO SVC BRTY	- - -		CHORUS	SCR-628
BN RCN DET	- - -		CHORE	SCR-610
BN MUN O	- - -		CHOICE	SCR-628
A BATTERY	- - -		CHISEL	SCR-608
B BATTERY	- - -		CHOSEN	SCR-608
C BATTERY	- - -		CAMERA	SCR-608
327TH FA BN LIAISON NET 1		31.7		
		A		
FD SET 1	- - -		CABOOSE	SCR-610
LIAISON O #1	- - -		CAFETERIA	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				
327TH FA BN LIAISON NET 2		32.3		
		C		
FD SET #3	- - -		CALAMITY	SCR-610
LIAISON O #2	- - -		CALCIMINE	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "A"				
A BTRY 327TH FA BN CONTROL		31.7		
& FD NET	- - -	A	CALENDAR	
BN FD SET #1	- - -		CABOOSE	SCR-610
BC A BTRY	- - -		CHISEL	SCR-608
RCN O A BTRY	- - -		CALCULUS	610
EXEC A BTRY	- - -		CALICO	SCR-610
ASST EXEC A BTRY	- - -		CALIX	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING TO CHANNEL "C"				

UNCLASSIFIED

INCLASSIFIED

UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
B BTRY 327TH FA BN CONTROL		32.2		
& FD NET	- - - - -	B	'CALORIE	
BN FD SET 2	- - - - -		'CALUMET	SCR-610
BC B BTRY	- - - - -		'CHOSEN'	SCR-608
RCN O B BTRY	- - - - -		'CANARY'	SCR-610
EXEC O B BTRY	- - - - -		'CAMELLIA	610
ASST EXEC O B BTRY	- - - - -		'CAPITAL	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "A"				
C BTRY 327TH FA BN CONTROL		32.3		
& FD NET	- - - - -	C	'CARCASS	
BN FD SET 3	- - - - -		'CALAMITY	SCR-610
BC C BTRY	- - - - -		'CAMERA'	SCR-608
RCN O C BTRY	- - - - -		'CAPTION'	SCR-610
EXEC O C BTRY	- - - - -		'CAPON'	SCR 610
ASST EXEC O C BTRY	- - - - -		'CELEST'	SCR-610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "A"				

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UNCLASSIFIED

	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
909TH FA BN CONTROL NET		27.8	CASINO	
		K		
BN CMDR'S CAR	- - -		CHECK	SCR-608
BN EXEC CAR	- - -		CAREEN	SCR-608
BN S-4 (CO SVC BTRY)	- - -		CARDINAL	628
BN RCN DET	- - -		CARBUNCLE	610
BN MUN O	- - -		CARMEN	SCR-628
A BATTERY	- - -		CELERY	SCR-608
B BATTERY	- - -		CEREAL	SCR-608
C BATTERY	- - -		CEMETERY	608
909TH FA BN LIAISON NET 1		32.8		
		A		
FD SET #1	- - -		CERES	SCR-610
LIAISON O #1	- - -		CATARACT	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "C"				
909TH FA BN LIAISON NET 2		33.4		
		C		
FD SET #3	- - -		CHAOS	SCR-610
LIAISON O #2	- - -		CHANDLER	610
BOTH STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "A"				
A BTRY 909TH FA BN CONTROL		32.8		
& FD NET	- - -	A	CARBOLIC	
BN FD SET 1	- - -		CERES	SCR-610
BC A BTRY	- - -		CELERY	SCR-608
RCN O A BTRY	- - -		CASTANET	610
EXEC O A BTRY	- - -		CATHOLIC	610
ASST EXEC O A BTRY	- -		CARNATION	610
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "C"				

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~~CONFIDENTIAL~~

	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
B BTRY 909TH FA BN CONTROL		32.9		
& FD NET	- - - - -	B	CHASER	
BN FD SET 2	- - - - -		CHASTISE SCR-610	
BC B BTRY	- - - - -		CEREAL SCR-608	
RCN O B BTRY	- - - - -		CHIME SCR-610	
EXEC O B BTRY	- - - - -		CHILI SCR-610	
ASST EXEC O B BTRY	- - - - -		CHERUB SCR-610	
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "A"				

C BTRY 909TH FA BN CONTROL	33.4			
& FD NET	- - - - -	C	CHERRY	
BN FD SET 3	- - - - -		CHAOS SCR 610	
BC C BTRY	- - - - -		CEMETERY 608	
RCN O C BTRY	- - - - -		CHINK SCR-610	
EXEC O C BTRY	- - - - -		CHICORY SCR-610	
ASST EXEC O C BTRY	- - - - -		CHELA SCR-610	
ALL STATIONS TO BE CAPABLE OF INSTANTLY SWITCHING				
TO CHANNEL "A"				

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UNIT	EFFECTIVE	FREQ	CALL	TYPE	RAD SET
84TH CAV RCN TR					
COMMAND NET			B4G8	SCR-193	
84TH RCN TR HQ	0001-0930	N-3825	M8E3		
EXEC O			X4B1		
*LIAISON DET			D3U4		
MOTOR O			H1C5		
1ST PLAT LEADER	0931-1500	D-4206	S4K3		
2ND PLAT LEADER			NJ82		
3RD PLAT LEADER			K4A2		
**1ST PLAT SGT	1501-2400	H-4179	U8B3		
**2ND PLAT SGT			X6L7		
**3RD PLAT SGT			J204		
* THE LIAISON DET REPORTS DIRECTLY TO THE DIV G-2 AT DIV CP IMMEDIATELY PRECEDING ANY OPERATION BY 84TH CAV RCN TR. DET RAD WILL MONITOR TR CMD NET PLACING ALL TRAFFIC IMMEDIATELY BEFORE G-2. G-2 TRAFFICE FOR THE RCN TR WILL BE SENT TO DIV MSG CEN FOR TRANSMISSION OVER DIV RCN NET.					
** PLAT SGTS WILL CLEAR TRAFFICE TO TR HQ VIA SCR-193 <u>ONLY</u> WHEN IMPOSSIBLE TO CLEAR TO PLAT LDRS OVER SCR-511.					

84TH CAV RCN TR SCR-511					
COMMAND NET			COIL 4	CHIPMUNK SCR-511	
84TH RCN TR HQ (SET 1)				'CHOPPY'	
1ST PLAT (SET 2)				'CHOWDER'	
2ND PLAT (SET 10)				'CHRONIC'	
3RD PLAT (SET 18)				'CHUM'	
MOTOR O (SET 26)				'CHURN'	
EXEC O (SET 27)				'CHARLES'	
1ST PLAT 84TH RCN TR					
COMMAND NET			COIL 5	CHECKLIST SCR-511	
1ST PLAT HQ (SET 2)				'CHOWDER'	
PLAT SGT (SET 3)				'CELLULOID'	
1ST SEC SGT (SET 4)				'CARPENTER'	
1ST SEC CPL (SET 5)				'CARROLL'	
2ND SEC SGT (SET 6)				'CASSIDY'	
2ND SEC CPL (SET 7)				'CHAPMAN'	
MORTAR SQ (SET 8)				'CHILDERS'	
P&D SQ (SET 9)				'CAMPBELL'	

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UNIT	EFFECTIVE	FREQ	CALL	TYPE
		KC	SIGN	RAD SET
2ND PLAT 84TH RCN TRP				
COMMAND NET	- - - - -	COIL 6	CHOCOLATE	SCR-511
2ND PLAT HQ (SET 10)	- - - - -		CHRONIC	
PLAT SGT (SET 11)	- - - - -		CELLAR	
1ST SEC SGT (SET 12)	- - - - -		CHAIN	
1ST SEC CPL (SET 13)	- - - - -		CENTRAL	
2ND SEC SGT (SET 14)	- - - - -		CEREMONY	
2ND SEC CPL (SET 15)	- - - - -		CHEST	
MORTAR SQ (SET 16)	- - - - -		CHAFF	
P & D SQ (SET 17)	- - - - -		CASPER	
3RD PLAT 84TH RCN TRP				
COMMAND NET	- - - - -	COIL 1	CELLOPHANE	
3RD PLAT HQ (SET 18)	- - - - -		CHUM	SCR-511
PLAT SGT (SET 19)	- - - - -		CENSOR	
1ST SEC SGT (SET 20)	- - - - -		CHAMBER	
1ST SEC CPL (SET 21)	- - - - -		CHANT	
2ND SEC SGT (SET 22)	- - - - -		CHAPEL	
2ND SEC CPL (SET 23)	- - - - -		CHARM	
MORTAR SQ (SET 24)	- - - - -		CHEAT	
P & D SQ (SET 25)	- - - - -		CHESS	

ITEM 4

SHEET 20

UNCLASSIFIED

SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 0501 Z

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TELEPHONE CODE NAMES
NO 1

<u>UNIT</u>	<u>CODE NAME</u>
X CORPS - - - - -	VICTOR
86TH INF DIV - - - - -	OMEGA
88TH INF DIV - - - - -	INDIGO
102ND INF DIV - - - - -	TOLL
84TH INF DIV HQ - - - - -	KING
HQ CO 84TH INF DIV - - - - -	KOKOMO
84TH SIG CO - - - - -	KODAK
84TH QM CO - - - - -	KETTLE
784TH ORD CO - - - - -	KEEL
309TH ENGR BN - - - - -	KAPOK
309TH MED BN - - - - -	KRUPP
DIV ARTY HQ - - - - -	KNUCKLE
325TH FA BN - - - - -	KATE
326TH FA BN - - - - -	KNIT
327TH FA BN - - - - -	KNOLL
909TH FA BN - - - - -	KNELL
333RD INF REGT - - - - -	KNIGHT
334TH INF REGT - - - - -	KNOT
335TH INF REGT - - - - -	KEEP
84TH CAV RCN TRP - - - - -	KREMLIN

BATTALIONS: 1ST - RED
 2ND - WHITE
 3RD - BLUE

COMPANIES: ADD LETTER AFTER REGT'L CODE NAME.

BATTERIES: ADD LETTER AFTER BN CODE NAME.

OTHER ESTABLISHMENTS: ADD FORWARD; REAR; OP, ETC.

ATTACHED ORGANIZATIONS RETAIN THE TELEPHONE NAMES
ASSIGNED TO THEM BY PARENT ORGANIZATIONS.

ITEM 5

SHEET 1

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SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 5012

TELEPHONE NUMBERS

<u>OFFICE</u>	<u>NUMBER</u>
G-1	1
G-2	2
G-3	3
G-4	4
CHIEF OF STAFF	5
COMMANDING GENERAL	6
ASSISTANT DIVISION COMMANDER	35
ADJUTANT GENERAL	7
AIDE-DE-CAMP	13
AUTOMOTIVE OFFICER	25
CHAPLAIN	19
CHEMICAL OFFICER	23
ENGINEER OFFICER	15
FINANCE OFFICER	18
HEADQUARTERS COMMANDANT	34
INSPECTOR GENERAL	9
JUDGE ADVOCATE	17
LIAISON OFFICER	24
MEDICAL OFFICER	16
MESSAGE CENTER	11
ORDNANCE OFFICER	8
POSTAL OFFICER	20
PROVOST MARSHAL	27
QUARTERMASTER	21
SIGNAL OFFICER	10
SPECIAL SERVICE OFFICER	12

OTHER ACTIVITIES:

CHIEF TELEPHONE OPERATOR	30
GENERAL UTILITY TELEPHONE	33
RADIO STATION	28
WIRE CHIEF	31

ITEM 6

SHEET 1

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OPERATION INSTRUCTIONS

(5 SHEETS)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 0501 ZPREARRANGED MESSAGE CODE
NO 1

THIS PREARRANGED MESSAGE CODE IS FOR USE BETWEEN
THIS HEADQUARTERS AND UNITS OF THE 84TH INF DIV, WITH
THE EXCEPTION OF THE 84TH CAV RON TRP.

ENCODING SECTION	
<u>SIGNAL</u>	<u>MEANING</u>
IL	ADVANCE MESSAGE CENTER
IP	ADVANCE GUARD CENTER COLUMN AT (PLACE)
AV	ADVANCE GUARD LEFT COLUMN AT (PLACE)
IQ	ADVANCE GUARD RIGHT COLUMN AT (PLACE)
EJ	ALERT YOUR COMMAND FOR MOVEMENT TO (PLACE)
UK	ARRIVED AT BIVOUAC AT (TIME)
AW	ARRIVED AT (PLACE) AT (TIME)
EN	BEING ATTACKED (TIME)
IV	BRIDGE OK AT (PLACE)
OV	BRIDGE OUT AT (PLACE)
OD	BRIDGE UNSAFE AT (PLACE)
UF	COMMANDING GENERAL
IJ	COMMANDING OFFICER
OW	COMMAND POST
OB	(UNIT) NOW LOCATED AT (PLACE)
WO	(UNIT) (MILES) FROM (PLACE) AT (TIME)
EL	ENEMY
AX	ENEMY FRONT LINE NOW LOCATED ALONG LINE (PLACE)
OG	FORD FOR MOTOR VEHICLE AT (PLACE)
EG	CHIEF OF STAFF
IW	G-1 OR S-1
EB	G-2 OR S-2
AR	G-3 OR S-3
EZ	G-4 OR S-4
AG	HAVE ATTACKED (TIME)
EF	HEAD OF MAIN BODY CENTER COLUMN AT (PLACE)

SHEET 1

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ENCODING SECTION

<u>SIGNAL</u>	<u>MEANING</u>
UD	HEAD OF MAIN BODY LEFT COLUMN AT (PLACE)
ET	HEAD OF MAIN BODY RIGHT COLUMN AT (PLACE)
UH	(INDIVIDUAL) REPORT FOR ORDERS AT (PLACE)(TIME)
UB	IN POSITION AT (TIME)
IC	LIAISON OFFICER
EX	PHASE LINE 1
OQ	PHASE LINE 2
OS	PHASE LINE 10
EH	REAR ECHELON
OC	REPORT LOCATION
AP	REQUEST IDENTIFICATION UNITS OPPOSING YOU
OZ	ROAD DESTROYED BY MINES AT (PLACE)
IN	SCOUT CARS
OJ	TANKS
AZ	TIME OF ATTACK
EQ	WHAT ARE DISPOSITIONS OF YOUR TROOPS
AB	WILL ATTACK
ZA	84TH INF DIV HQ
RY	HQ CO 84TH INF DIV
YM	84TH SIG CO
YF	84TH QM CO
YU	784TH ORD CO
JY	309TH ENG BN
JK	309TH MED BN
SY	84TH RCN TRP
YB	DIV ARTY HQ
YO	325TH FA BN
TY	326TH FA BN
YD	327TH FA BN
HY	909TH FA BN
YZ	333RD INF REGT
YA	1ST BN 333RD INF REGT
WY	2ND BN 333RD INF REGT
YV	3RD BN 333RD INF REGT

ITEM 7

SHEET 2

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ENCODING SECTION

<u>SIGNAL</u>	<u>MEANING</u>
NY	334TH INF REGT
YC	1ST BN 334TH INF REGT
YI	2ND BN 334TH INF REGT
GY	3RD BN 334TH INF REGT
YE	335TH INF REGT
QY	1ST BN 335TH INF REGT
YK	2ND BN 335TH INF REGT
XY	3RD BN 335TH INF REGT

DECODING SECTION

<u>SIGNAL</u>	<u>MEANING</u>
AB	WILL ATTACK
AG	HAVE ATTACKED
AD-AP	REQUEST IDENTIFICATION AND UNITS OPPOSING FACING YOU
AR	G-3 OR S-3
AU	ADVANCE GUARD LEFT COLUMN AT (PLACE)
AW	ARRIVED AT (PLACE) AT (TIME)
AX	ENEMY FRONT LINE NOW LOCATED ALONG LINE (PLACE)
AZ	TIME OF ATTACK
EB	G-2 OR S-2
EF	HEAD OF MAIN BODY CENTER COLUMN AT (PLACE)
EG	CHIEF OF STAFF
EH	REAR ECHELON
EJ	ALERT YOUR COMMAND FOR MOVEMENT TO (PLACE)
EL	ENEMY
EN	BEING ATTACKED (TIME)
EQ	WHAT ARE DISPOSITIONS OF YOUR TROOPS
ET	HEAD OF MAIN BODY RIGHT COLUMN AT (PLACE)
EX	PHASE LINE 1
EZ	G-4 OR S-4
GY	3RD BN 334TH INF REGT
HY	909TH FA BN
IC	LIAISON OFFICER

ITEM 7

SHEET 3

UNCLASSIFIED

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SIGNAL

DECODING SECTION

MEANING

IJ	COMMANDING OFFICER
IL	ADVANCE MESSAGE CENTER
IN	SCOUT CARS
IP	ADVANCE GUARD CENTER COLUMN AT (PLACE)
IQ	ADVANCE GUARD RIGHT COLUMN AT (PLACE)
IU	BRIDGE OK AT (PLACE)
IW	G-1 OR S-1
JK	309TH MED BN
JY	309TH ENG BN
NY	334TH INF REGT
OB	(UNIT) NOW LOCATED AT (PLACE)
OC	REPORT LOCATION
OD	BRIDGE UNSAFE AT (PLACE)
OG	FORD FOR MOTOR VEHICLES AT (PLACE)
OJ	TANKS
OQ	PHASE LINE 2
OS	PHASE LINE 10
OV	BRIDGE OUT AT (PLACE)
OW	COMMAND POST
OZ	ROAD DESTROYED BY MINES AT (PLACE)
QY	1ST BN 335TH INF REGT
RY	HQ CO 84TH INF DIV
SY	84TH RCN TRP
TY	326TH FA BN
UB	IN POSITION AT (TIME)
UD	HEAD OF MAIN BODY LEST COLUMN AT (PLACE)
UF	COMMANDING GENERAL
UH	(INDIVIDUAL) REPORT FOR ORDERS AT (TIME)(PLACE)
UK	ARRIVED AT BIVOUAC AT (TIME)
WO	(UNIT)(MILES) FROM (PLACE) AT (TIME)
WY	2ND BN 333RD INF REGT
XY	3RD BN 335TH INF REGT
YA	1ST BN 333RD INF REGT
YB	HQ, DIV ARTY
YC	1ST BN 334TH INF REGT
YD	327TH FA BN
YE	335TH INF REGT
YF	84TH QM CO

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DECODING SECTION

<u>SIGNAL</u>	<u>MEANING</u>
YI	2ND BN 334TH INF REGT
YK	2ND BN 335TH INF REGT
YM	84TH SIG CO
YO	325TH FA BN
YU	784TH CRD CO
YV	3RD BN 333RD INF REGT
YZ	333RD INF REGT
ZA	84TH INF DIV HQ

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SOI

INSTRUCTIONS FOR USE OF

CONVERTER M-209-A

KEY

1. SET UP KEY WHEEL PINS AND DRUM BAR LUGS IN ACCORDANCE WITH PAR 9 TM-11-380 AND ITEMS 8-B AND 8-C OF THIS SOI.

ENCIPHERMENT

1. SET CONVERTER AT ANY NUMBER ENDING IN ZERO OR FIVE. SELECT SIX LETTERS AT RANDOM (FOR EXAMPLE, DTNCCK) ALIGN ON KEY WHEELS FROM LEFT TO RIGHT.
2. CHOOSE ANY LETTER (FOR EXAMPLE, "P") AND ENCIPHER IT 12 TIMES. (THIS YIELDS, FOR EXAMPLE, IVWEM UOCXJ VY)
3. SET CONVERTER TO ANY NUMBER ENDING IN ZERO OR FIVE.
4. ALIGN, IN ORDER, FROM LEFT TO RIGHT THE FIRST 6 USUABLE LETTERS (IN THIS CASE IVEMOC) SKIP OVER THE LETTERS WHICH DO NOT APPEAR ON THE APPROPRIATE WHEELS.
5. ADVANCE TAPE ABOUT 6 INCHES AND ENCIPHER MESSAGE.
6. ADVANCE TAPE ABOUT 6 INCHES AND TEAR OFF.
7. WRITE AT HEAD OF TAPE ALL NECESSARY TRANSMITTING DATA, FOLLOWED BY INDICATORS OF MESSAGE ((HEADING) PDTNC CKLCM ----) REPEAT INDICATORS IN SAME ORDER AT END OF MESSAGE (----- PDTNC CKLCM (TIME SIGNED))
8. STEPS 1-4, INCLUSIVE, FOR EACH MESSAGE, SELECTING A NEW GROUP OF RANDOM LETTERS EACH TIME

DECIPHERMENT

9. REPEAT STEP 1 (USING LETTERS 2-7 INCL. IN INDICATOR.)
10. REPEAT STEP 2 (USING FIRST LETTER OF INDICATOR.)
11. REPEAT STEP 4 (USING RESULTS OF STEP 10.)
12. ADVANCE TAPE ABOUT 6 INCHES AND DECIPHER MESSAGE.
13. ADVANCE TAPE ABOUT 6 INCHES AND TEAR OFF.
14. INSERT ADDRESSEE AT HEAD OF TAPE, TIME SIGNED AND SIGNATURE AT END OF TAPE.

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PIN SET-UP

A-	A-	-A	A-	A-	A-	A-	-A	-A	A-							
-B	-B	-B	B-	B-	B-	B-	-B	-B	-B	B-						
-C	-C	C-	-C	-C												
D-	D-	-D	-D	D-	D-	D-	-D	D-	-D	D-						
-E	E-	-E	E-	-E	-E	E-	-E	E-	-E	-E	E-	E-	E-	E-	E-	E-
-F	F-	F-	F-	-F	-F	F-	-F	F-	-F	-F	F-	F-	F-	F-	F-	F-
-G	-G	-G	-G	G-	-G	G-	-G	G-	-G	-G	G-	G-	G-	G-	G-	G-
-H	H-	H-	H-	-H	H-	H-	-H	H-								
I-	I-	-I	I-	-I	I-	I-	-I	-I	-I	-I	I-	I-	I-	I-	I-	I-
-J	J-	-J	-J	J-	-J	J-										
K-	-K	K-	K-	-K	-K	K-	-K	K-	-K	-K	K-	K-	K-	K-	K-	K-
L-	-L															
M-	-M	-M	-M	-M	-M	M-	-M	M-	-M	M-						
-N	N-															
-O	-O	O-														
P-	-P	P-	P-	P-	P-	P-	-P	P-								
Q-	Q-	-Q	Q-	Q-	-Q	Q-	-Q	-Q	Q-							
R-	-R	R-	-R	R-	R-	R-	-R	R-								
S-	S-	S-	-S	-S	S-	-S	-S	S-								
T-	-T	T-	T-	T-	T-	T-	-T	T-								
-U	-U	U-	-U	U-	-U	U-										
V-	-V	V-														
W-	X-	X-	X-	X-	X-	W-	-X									
-X	-Y					X-	-Y	X-								
Y-	-Z					-Y	-Z	-Z								
Z-						-Z										

NO 1

NO 2

ITEM 8B

SHEET 1

UNCLASSIFIED

UNCLASSIFIED

PIN SET-UP

A-	-A	A-	A-	-A	A-	A-	-A	A-	-A	A-	-A
B-	-B	B-	-B	-B	B-	B-	-B	-B	B-	B-	-B
C-	C-	-C	-C	C-	C-	C-	-C	-C	C-	C-	-C
D-	D-	-D	-D	D-	D-	D-	-D	-D	-D	-D	-D
E-	E-	-E	-E	E-	-E	-E	E-	-E	-E	-E	-E
-F	F-	F-	F-	F-	-F	-F	F-	F-	F-	F-	-F
-G	-G	G-	-G	-G	G-	G-	-G	-G	G-	G-	-G
-H	H-	-H	H-	H-	H-	-H	-H	-H	H-	H-	H-
I-	I-	-I	-I	-I	-I	-I	I-	I-	I-	I-	I-
-J	J-	J-	J-	-J	-J	J-	J-	-J	-J	-J	-J
K-	-K	-K	-K	K-	-K	-K	K-	K-	-K	-K	-K
-L	L-	L-	L-	-L	-L	-L	-L	-L	L-	L-	L-
M-	-M	-M	M-	M-	-M	-M	-M	M-	M-	M-	M-
N-	-N	-N	N-	N-	N-	N-	-N	-N	N-	N-	N-
-O	O-	O-	O-	O-	O-	O-	O-	O-	O-	O-	O-
P-	P-	P-	-P	P-	P-	P-	-P	-P	-P	-P	-P
-Q	-Q	Q-	-Q	-Q	-Q	Q-	Q-	Q-	Q-	Q-	Q-
-R	-R	R-	-R	R-	-R	-R	R-	R-	-R	-R	-R
-S	S-	S-	-S	-S	S-	-S	S-	S-	S-	S-	S-
T-	T-	T-	-T	-T	-T	T-	T-	T-	T-	T-	T-
-U	-U	-U	U-	U-	-U	-U	U-	U-	-U	-U	-U
-V	V-	-V	-V	-V	-V	-V	V-	-V	-V	-V	-V
-W	-X	-X	-X	-X	-X	-W	X-	-X	-X	-X	-X
-X-	-Y	-Y	-Y	-Y	-Y	-X-	-Y	-Y	-Y	-Y	-Y
-Y	Z-	Z-	-Z	-Z	Z-	-Z	-Z	-Z	-Z	-Z	-Z
Z-											

NO 3

NO 4

ITEM 8B

SHEET 2

UNCLASSIFIED

UNCLASSIFIED

PIN SET-UP

NO 5

NO 6

ITEM 8B

SHEET 3

UNCLASSIFIED

UNCLASSIFIED

PIN SET-UP

A- -A	A- -A	-A -A	-A -A	-A -A	A- -A				
-B -B	B- -B	-B -B	B- -B	B- -B	-B -B	B- -B	B- -B	B- -B	B- -B
-C C-									
D- -D	-D D-	D- -D							
E- -E	-E E-	E- -E	E- -E	E- -E	-E E-	E- -E	E- -E	E- -E	E- -E
-F -F	-F F-	F- -F	F- -F	F- -F	-F F-	F- -F	F- -F	F- -F	F- -F
G- -G									
H- -H	-H H-	H- -H							
I- -I	-I -I	I- -I	I- -I	I- -I	I- -I				
-J -J	-J J-	J- -J	J- -J	J- -J	-J J-	J- -J	J- -J	J- -J	J- -J
-K -K	K- -K	K- -K	-K -K	-K -K	K- -K				
-L -L	-L L-	L- -L	-L -L						
-M -M	-M M-	M- -M							
N- -N	-N N-	N- -N	N- -N	N- -N	-N N-	N- -N	N- -N	N- -N	N- -N
O- -O	-O O-	O- -O	O- -O	O- -O	-O O-	O- -O	O- -O	O- -O	O- -O
-P -P	-P P-	P- -P	-P -P	-P -P	-P P-	P- -P	P- -P	P- -P	P- -P
Q- -Q	Q- -Q	-Q -Q	-Q -Q	-Q -Q	Q- -Q	-Q -Q	-Q -Q	Q- -Q	Q- -Q
R- -R	-R R-	-R -R	R- -R	R- -R	-R R-	R- -R	R- -R	R- -R	R- -R
-S -S	S- -S	-S -S	S- -S	S- -S	-S -S	S- -S	S- -S	S- -S	S- -S
T- -T	T- -T	-T -T	-T -T	-T -T	-T T-	-T -T	T- -T	T- -T	T- -T
U- -U	U- -U	-U -U	-U -U	-U -U	-U U-	U- -U	U- -U	U- -U	U- -U
-V -V	V- -V	V- -V	V- -V	V- -V	-V -V	V- -V	V- -V	V- -V	V- -V
-W X-	X- X-	X- X-	X- X-	X- X-	W- -X	-X -X	W- -X	-X -X	W- -X
X- -Y	Y- -Y	Y- -Y	Y- -Y	Y- -Y	X- -Y	-Y -Y	X- -Y	-Y -Y	X- -Y
Y- -Z	Z- -Z	Z- -Z	Z- -Z	Z- -Z	Y- -Z	Z- -Z	Y- -Z	Z- -Z	Y- -Z
-Z					Z-				

NO 7

NO 8

ITEM 8B

SHEET 4

UNCLASSIFIED

UNCLASSIFIED

[REDACTED]

UNCLASSIFIED

LUG SET-UP

1	2	3	4	5	6
1 X					X
2 X					
3 X					
4 X			X		
5 X					
6 X			X		
7 X	X				
8 X	X				
9 X		X			
10		X			
11		X			
12		X			
13		X			
14		X			
15		X			
16		X			
17		X			
18		X			
19		X			
20		X	X		
21		X			
22		X			
23		X			
24		X			
25		X			
26		X		X	
27				X	

NO 1

1	2	3	4	5	6
1 X					
2					
3 X					
4 X					
5 X					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

NO 2

ITEM 8B

SHEET 5

UNCLASSIFIED

UNCLASSIFIED

LUG SET-UP

	1	2	3	4	5	6		1	2	3	4	5	6
1	X								X				
2	X					X			X				
3	X								X				
4	X		X						X				
5									X				
6									X				
7									X				
8									X				
9									X				
10									X				
11									X				
12									X				
13									X				
14						X			X				
15					X	X							
16													
17													
18													
19													
20													
21													
22													
23						X							
24							X						
25								X					
26									X				
27										X			
		X											

NO 3

NO 4

ITEM 8B

SHEET 6

UNCLASSIFIED

UNCLASSIFIED

LUG SET-UP

	1	2	3	4	5	6		1	2	3	4	5	6
1	X							1					
2	X							2	X				
3		X						3					
4		X						4		X			
5		X						5		X			
6		X						6		X			
7		X						7		X			
8		X						8		X			
9		X	X					9		X			
10		X	X					10		X			
11			X					11		X			
12			X					12		X			
13			X					13		X			
14			X					14		X			
15			X					15					
16			X					16					
17			X					17					
18			X	X				18					
19			X	X				19					
20			X	X				20					
21			X	X				21					
22				X				22					
23				X				23					
24				X				24					
25				X				25					
26				X				26					
27					X			27			X		

NO 5

NO 6

ITEM 8B

SHEET 7

UNCLASSIFIED

UNCLASSIFIED

LUG SET-UP

	1	2	3	4	5	6		1	2	3	4	5	6
1													
2													
3			X										
4													
5													
6													
7													
8							X						
9							X						
10													
11			X										
12			X										
13	X		X										
14	X		X										
15	X												
16	X												
17	X												
18	X					X							
19	X												
20													
21													
22													
23			X										
24			X										
25													
26													
27													X

NO 7

NO 8

ITEM 8B

SHEET 8

UNCLASSIFIED

~~CONFIDENTIAL~~

1. THE FOLLOWING KEY WHEEL PIN AND DRUM BAR SET-UPS
ARE EFFECTIVE ON THE DATES INDICATED. THE 26 LETTER
CHECK IS GIVEN FOR EACH DAY.

010500Z JULY 1943 PELJT REMBN ISRLP USVAO DXSPL P
PIN 6 LUG 8 INDICATOR SOR
26 LETTER CHECK:

020500Z JULY 1943 CPOSN QOISQ TVNGM MOTKO LEJGP W
PIN 7 LUG 6 INDICATOR BLT
26 LETTER CHECK:

030500Z JULY 1943 NZZTS ZHRHC LWLVU IRPTB YJOWV F
PIN 8 LUG 2 INDICATOR ABL
26 LETTER CHECK:

040500Z JULY 1943 HHLTJ LTKOL YQOKF FQMCL JELKH U
PIN 7 LUG 2 INDICATOR XON
26 LETTER CHECK:

050500Z JULY 1943 KCDAV JXJAP NSNNS VTRBP TSOZC X
PIN 5 LUG 6 INDICATOR ZOF
26 LETTER CHECK:

060500Z JULY 1943 TAZUK WPLJI XSIPZ STQRC VXQUP M
PIN 8 LUG 7 INDICATOR AAB
26 LETTER CHECK:

070500Z JULY 1943 WRCKW NSJRJ LVWON LYQON ORKQY T
PIN 2 LUG 3 INDICATOR FER
26 LETTER CHECK.

080500Z JULY 1943 HFOSN KVLPK XQQMI IOPDO HFMMF X
PIN 7 LUG 4 INDICATOR BNA
26 LETTER CHECK.

090500Z JULY 1943 MZZOR UCWPK OQSPW FUVXA TNUXP B
PIN 8 LUG 6 INDICATOR RXI
26 LETTER CHECK.

100500Z JULY 1943 QWZFP XLAZO PWHPK EJPVJ RJIVP C
PIN 8 LUG 1 INDICATOR PYX
26 LETTER CHECK.

110500Z JULY 1943 KOSXK FOILF QNVPR RUWNS QOSPO R
PIN 7 LUG 3 INDICATOR CUA
26 LETTER CHECK.

ITEM 8C

SHEET 1

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120500Z JULY 1943 OGRLV TGIHK HXUJO YXSFS ARXNC N
PIN 6 LUG 5 INDICATOR AXB
26 LETTER CHECK:

130500Z JULY 1943 FCKAV JRJAL JLOJS MTIBQ TSKZC Y
PIN 5 LUG 8 INDICATOR GRO
26 LETTER CHECK:

140500Z JULY 1943 FFXMX SQKYL PREBV NFQFI KLORZ T
PIN 1 LUG 2 INDICATOR UAT
26 LETTER CHECK:

150500Z JULY 1943 MMSMS RPWTQ WNGAY REKBK ILVQU S
PIN 1 LUG 8 INDICATOR RVO
26 LETTER CHECK:

160500Z JULY 1943 HHWKW KJPVL QTACZ TMFMT NIQLW L
PIN 1 LUG 7 INDICATOR EQM
26 LETTER CHECK:

170500Z JULY 1943 PAMEP PVUJH AGHJP RMGOM ALZJN P
PIN 4 LUG 1 INDICATOR DEB
26 LETTER CHECK:

180500Z JULY 1943 RZZPR UCQNI VMLLX MNWXA TUVRL B
PIN 8 LUG 8 INDICATOR PLU
26 LETTER CHECK:

190500Z JULY 1943 NQSSN SMAWS VNJQK KPIHS RIGQQ O
PIN 7 LUG 5 INDICATOR FKY
26 LETTER CHECK:

200500Z JULY 1943 MQORZ MNFME ZVUWO XJZLQ PYPTQ T
PIN 3 LUG 6 INDICATOR BRI
26 LETTER CHECK:

210500Z JULY 1943 EEWPW RQKXR TTBAY NGOGJ IOSRY S
PIN 1 LUG 4 INDICATOR OMV
26 LETTER CHECK:

220500Z JULY 1943 DLBAP VVVAP NHLNW TOOON OHVZL Q
PIN 5 LUG 1 INDICATOR RAR
26 LETTER CHECK:

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230500Z JULY 1943 RHEAO JVJAT NOQNS EIDGW IHOZH Y
PIN 5 LUG 4 INDICATOR ZIR
26 LETTER CHECK:

240500Z JULY 1943 IEPCV UEKMT IUTII WUXCS BRWJI J
PIN 6 LUG 7 INDICATOR SUX
26 LETTER CHECK:

250500Z JULY 1943 QHCAL MWMAV PLOPT FFCFU FDQZH V
PIN 5 LUG 2 INDICATOR FIL
26 LETTER CHECK:

260500Z JULY 1943 QSICQ NWRXA HOMPN XWVPP KSCVU Y
PIN 2 LUG 8 INDICATOR HPW
26 LETTER CHECK:

270500Z JULY 1943 LZPWJ UFAVU RULMO OVPOP VKKMZ K
PIN 7 LUG 1 INDICATOR VNJ
26 LETTER CHECK:

280500Z JULY 1943 JUORZ NNLIF ZQTXO VJZSK WVWPJ X
PIN 3 LUG 4 INDICATOR IBR
26 LETTER CHECK:

290500Z JULY 1943 OPHAX QUQAP CIKCL HOIMV OOFZP Z
PIN 5 LUG 7 INDICATOR LFM
26 LETTER CHECK:

300500Z JULY 1943 JKGAS MOMAL KMVKX ERNAW RJUZK Z
PIN 5 LUG 3 INDICATOR QIL
26 LETTER CHECK:

310500Z JULY 1943 EEYWY PNSQX YNBJZ JAUAO CMQXY X
PIN 1 LUG 3 INDICATOR JIL
26 LETTER CHECK:

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SIGNAL OPERATION INSTRUCTIONS

(2 SHEETS)

84TH INF DIV
CAMP HOWZE, TEX
1 FEB 43 0501Z

MAP COORDINATE CODE
NO. 1

1. THIS MAP COORDINATE CODE IS FOR USE ON ALL GRIDDED MAPS WHERE THE THRUST LINE HAS NOT BEEN DESIGNATED. PROPER KEY FOR EACH DAY IS THE HORIZONTAL LINE APPEARING OPPOSITE THE DATE IN THE "DAY OF MONTH" COLUMN. FOR DECODING THE DATE OF ORIGIN OF THE MESSAGE WILL BE USED IN SELECTING THE CORRECT KEY. ALWAYS PRECEDE AND END THE CODED COORDINATE WITH THE INDICATOR FOR THAT DATE AND DIVIDE THE ENTIRE ENCODED GROUP INTO FIVE LETTER GROUPS. IF NECESSARY TO CARRY THE COORDINATES OUT TO TWO PLACES BEYOND THE DECIMAL POINT, THE LETTER "X" SHOULD BE USED TO FILL UP THE FIVE LETTER GROUP.

2. WHEN A PLAIN TEXT MESSAGE INCLUDING THE MAP COORDINATE CODE IS TO BE ENCIPHERED OR ENCODED, THE MAP GROUPS WILL BE ENCIPHERED AS PART OF THE MESSAGE.

EXAMPLE: ENCODE ON FEB 6:

156.7 - 615.9
ENCODED: GDZLFQU A FZLQIGD
FIVE LETTER GROUPS: GDZLF QUAFZ LQIGD

A MESSAGE SENT FEB 1 CONTAINS THESE GROUPS:

JBQKA UODWA PNULC XXXJB

DECODED: 192.76 - 203.84

ITEM 9

SHEET 1

UNCLASSIFIED

MAP COORDINATE COD

UNCLASSIFIED

DAY
OF

MONTH	INDICATOR	1	2	3	4	5	6	7	8	9	Ø	.	-
1	JB	Q	A	N	C	I	D	Ø	L	K	P	U	W
2	DK	C	O	M	U	P	I	L	J	B	A	N	R
3	CM	J	A	N	P	R	Z	I	E	L	O	K	U
4	HC	R	O	M	D	N	A	T	U	B	Y	L	E
5	RG	S	A	L	I	P	J	N	E	T	O	M	B
6	GD	Z	E	C	O	L	F	U	B	I	T	Q	A
7	DT	V	I	C	A	R	O	B	G	F	U	L	Y
8	BS	D	U	M	L	I	T	Y	B	O	K	A	C
9	WB	C	I	T	M	A	S	D	O	G	L	Q	Z
10	FM	T	O	Q	U	I	N	V	F	K	D	A	B
11	ED	B	A	C	G	Z	Y	W	R	I	L	F	U
12	JM	K	L	U	C	A	T	I	O	N	E	R	P
13	LH	P	R	O	T	E	M	I	N	G	J	S	D
14	CN	G	L	I	M	U	T	V	E	J	Q	A	P
15	TH	B	U	N	E	R	Q	I	J	A	C	S	O
16	MS	D	I	L	Y	U	N	Z	Q	W	K	A	P
17	BM	U	P	R	E	S	T	O	V	C	A	W	Z
18	RF	Y	Z	O	R	Q	A	P	H	U	T	G	F
19	GA	N	O	W	I	S	T	E	M	F	R	L	D
20	WS	I	N	F	A	T	R	Y	D	H	V	S	O
21	EC	R	A	D	T	P	H	O	N	I	C	U	M
22	LG	A	T	L	N	J	O	U	R	E	H	I	Z
23	SW	B	U	L	H	O	T	E	R	S	I	M	P
24	WR	I	N	G	A	C	O	T	E	F	U	M	H
25	CT	P	O	K	E	H	I	M	N	S	F	V	G
26	JW	F	I	N	A	L	Y	B	R	E	T	H	M
27	WR	E	N	O	M	Y	I	S	A	T	C	K	J
28	AS	W	E	H	B	V	O	N	I	C	T	R	Y
29	BN	S	I	G	A	L	R	E	Y	O	P	H	T
30	VP	A	B	E	O	U	T	I	F	L	G	R	S
31	RO	P	U	T	E	N	G	H	A	I	K	J	D

ITEM 9

SHEET 2

UNCLASSIFIED

MESSAGE AUTHENTICATION CODE
NO 2
INSTRUCTIONS

UNCLASSIFIED

84TH INF DIV
CAMP HOWZE, TEX
15 JULY 43

1. AUTHENTICATION OF MESSAGES

A. MESSAGE AUTHENTICATION ELEMENTS TO BE TESTED WILL BE TAKEN FROM TABLE 1, ITEM NO 10A SOI 84TH INF DIV (MESSAGE AUTHENTICATION CODE). AUTHENTICATION VALUES FOR AUTHENTICATION ELEMENTS WILL BE FOUND IN TABLE 2 OF THE MESSAGE AUTHENTICATION CODE. THE SUM OF THE VALUES FOR ELEMENTS CHOSEN IS THE AUTHENTICATOR.

B. ALL MESSAGES (MSGR, RAD, TG, TP, AND TT) BETWEEN HEADQUARTERS 84TH INF DIV AND SUBORDINATE UNITS WILL BE AUTHENTICATED AS DESCRIBED BELOW. SUBORDINATE UNITS WILL ISSUE EDITIONS BASED ON THIS PRINCIPLE. MESSAGES TO HIGHER HEADQUARTERS WILL BE AUTHENTICATED IN THE SYSTEM USED BY HIGHER HEADQUARTERS.

C. OUTGOING MESSAGES WILL BE AUTHENTICATED BY THE MESSAGE CENTER OR BY OPERATING PERSONNEL WHEN THE MESSAGE CENTER IS NOT IN OPERATION.

D. INCOMING MESSAGES WILL BE VERIFIED BY THE MESSAGE CENTER OR BY OPERATING PERSONNEL WHEN THE MESSAGE CENTER IS NOT IN OPERATION. PROPERLY AUTHENTICATED MESSAGES WILL BE MARKED IN BOLD FACE "AUTHENTICATED". MESSAGES NOT PROPERLY AUTHENTICATED WILL BE MARKED "NOT AUTHENTICATED, CHECK REQUESTED" AND DELIVERED TO THE ADDRESSEE. IF PROPERLY AUTHENTICATED AFTER CHECK IS REQUESTED, THE ADDRESSEE WILL BE SO NOTIFIED BY THE MESSAGE CENTER. IF NOT PROPERLY AUTHENTICATED AFTER REQUESTED RECHECK, BOTH THE ADDRESSEE AND G-2 WILL BE NOTIFIED.

E. IF TABLE 1 IN CURRENT USE CONTAINS AN ELEMENT NOT IN A MESSAGE, THE VALUE FOR ND (NO DATA) WILL BE USED. THE AUTHENTICATION GROUP WILL APPEAR AS THE LAST ELEMENT IN THE HEADING BEFORE THE BT SIGN. THE FIRST AND SECOND GROUPS OF THE TEXT WILL NOT BE USED IN AUTHENTICATION.

F. THE FOLLOWING EXAMPLE WILL ILLUSTRATE THE AUTHENTICATION OF A MESSAGE WRITTEN AND TRANSMITTED ON MAY 5TH:

ITEM 10A

SHEET 1

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Y2D9 V A4J8 S NR3 P GR12

38 BT

NR1 WANIR BIVIP SOJIC WZCBJ
TNEXV FQRSE QVBIS CELWR BIVIP
WANIR Ø935 BT K

THE AUTHENTICATION ELEMENTS ARE THE NINTH AND TENTH CHARACTERS OF THE TEXT (OMITTING THE FIRST TWO GROUPS NR1 AND WANIR). SEE TABLE 1. THE NINTH CHARACTER IS "1" AND THE TENTH CHARACTER IS "C". REFERRING TO TABLE 2, WE FIND THAT THE AUTHENTICATION VALUE ON MAY 5TH FOR "1" IS 15 AND FOR "C" IS 23. THE SUM OF 15 AND 23, OR 38 IS THE AUTHENTICATOR.

2. STATION AUTHENTICATION

A. THE STATIONS IN RADIO AND TELEGRAPH NETS OF SUBORDINATE UNITS MAY USE THE MESSAGE AUTHENTICATION SYSTEM DESCRIBED HEREIN FOR STATION IDENTIFICATION. A CHALLENGE GROUP OF TWO LETTERS MAY BE INSERTED IN THE CALL-UP IMMEDIATELY AFTER THE CALL SIGN OF THE CALLING STATION. THE CALLED STATION WILL RESPOND WITH THE SUM OF THE TWO LETTERS AS DESCRIBED FOR TELEPHONE AUTHENTICATION ABOVE, FOLLOWED BY A SIMILAR CHALLENGE TO THE CALLING STATION. FAILURE TO RECEIVE THE CORRECT RESPONSE WILL BE REPORTED PROMPTLY TO THE MESSAGE CENTER.

B. THE FOLLOWING IS AN EXAMPLE OF AN EX-
CHANGE OF TRANSMISSIONS BETWEEN TWO STATIONS ON MAY 5TH,
USING THIS MESSAGE AUTHENTICATION SYSTEM FOR STATION AUTHENTICATION:

E6R3 V S9A7 NB ZMA ONE K
S9A7 V E6R3 31 CR K

E6R3 V S9A7 37 NR7 GR10 FIFTH 49 BT
NR2 WANIR DURSE FTNQB GAVMZ
WNQWP C7 INB DURSE WANIR 1437

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IN THE FIRST TRANSMISSION, STATION S9A7 CHALLENGES STATION E6R3 WITH THE LETTERS NB PRIOR TO NOTIFYING HIM THAT HE HAS ONE MESSAGE TO TRANSMIT. STATION E6R3 CORRECTLY ANSWERS THIS CHALLENGE WITH THE AUTHENTICATION NUMBER 31 (N-18, B-13, THE SUM OF THESE NUMBERS BEING 31) AND THEN CHALLENGES THE CALLING STATION S9A7 WITH THE LETTERS CR. IN THE HEADING OF THE MESSAGE, STATION S9A7 CORRECTLY ANSWERS THE CHALLENGE CR WITH THE NUMBER 37 (C-23, R-14, THE SUM OF THESE NUMBERS BEING 37). NOTE THE MESSAGE AUTHENTICATOR 49, WHICH WAS INSERTED IN THE HEADING BY THE MESSAGE CENTER. THIS NUMBER, 49 WAS OBTAINED BY ADDING THE TWO NUMBERS, 36 AND 13 WHICH CORRESPOND TO THE LETTERS Q AND B, THE NINTH AND TENTH CHARACTERS OF THE TEXT, THE FIRST TWO GROUPS NR2 AND WANIR BEING OMITTED.

ITEM 10A

SHEET 3

UNCLASSIFIED

MESSAGE AUTHENTICATION CODE

UNCLASSIFIED

AUTHENTICATION ELEMENTS

TABLE 1

FROM	TO	
01234003	01234003	Ninth and tenth character of text. (body of message)
0713003	1513003	Thirteenth and fifteenth character of text. (body of message)
1513003	2324003	Tenth and thirteenth character of text. (body of message)
2321003	3124003	Fourteenth and seventeenth character of text. (body of message)
RESERVE:		Twelfth and fourteenth character of text. (body of message)

AUTHENTICATION VALUES

TABLE 2

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
00	01	02	03	04	05	06	07	08	09	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	

*ND is abbreviation for "No Data in the message"

DATE

1	32	15	19	25	37	16	40	23	14	38	31	22	35	32	39	13	34	29	16	18	24	29	17	37	18	20
2	30	20	17	14	32	32	31	28	19	15	39	35	11	19	10	39	21	26	17	31	37	15	13	30	12	34
3	17	32	14	17	18	21	23	15	36	31	37	18	40	17	12	39	17	30	11	40	15	19	20	13	38	33
4	33	31	25	39	27	21	30	18	24	36	21	12	36	23	39	31	16	19	33	22	40	35	37	28	19	11
5	15	13	23	24	37	29	31	14	15	13	21	33	36	18	31	21	36	14	19	16	12	27	29	37	40	16
6	24	32	34	39	19	13	18	31	37	20	14	17	38	19	11	14	21	38	40	17	16	13	34	23	34	38
7	11	31	38	28	35	13	23	28	39	30	15	13	23	39	25	13	16	37	40	38	23	14	31	31	21	32
8	14	18	34	23	19	36	38	27	39	20	10	31	16	38	29	32	38	30	19	11	32	36	35	15	13	32
9	17	32	40	38	15	16	38	29	16	36	18	15	37	25	17	27	15	31	39	12	34	13	31	18	25	19
10	15	19	32	36	12	38	40	14	36	19	15	35	37	17	14	12	38	26	38	26	31	12	17	31	40	15
11	32	38	17	31	21	39	36	13	40	24	33	13	20	22	37	34	15	19	11	18	34	19	14	34	39	21
12	22	40	37	14	26	21	28	39	40	31	22	38	18	33	35	21	23	32	34	13	15	37	27	18	40	12
13	13	30	33	14	38	18	19	15	31	36	24	13	28	39	34	14	36	28	36	31	26	24	31	30	11	24
14	37	21	39	40	21	34	33	13	40	13	28	19	38	12	34	24	36	39	17	13	30	13	20	13	20	11
15	33	40	13	34	35	31	25	36	28	17	38	19	13	32	16	19	20	13	21	34	37	36	13	23	22	35
16	19	16	31	25	28	13	14	40	38	33	26	36	21	33	38	36	13	21	22	14	36	15	34	32	37	29
17	29	38	32	25	26	38	20	31	25	34	30	11	12	36	38	24	22	39	11	31	13	39	30	13	12	30
18	34	40	23	22	26	37	32	31	40	30	23	34	13	15	25	31	16	39	19	13	40	26	38	29	31	13
19	14	31	15	35	25	37	29	37	15	12	32	34	21	22	25	38	19	14	31	23	37	26	31	15	38	12
20	15	18	13	33	28	38	36	21	27	39	12	37	39	20	36	31	36	12	19	13	38	15	37	19	36	23
21	23	39	14	20	33	40	27	35	31	21	32	13	28	36	34	30	12	16	38	36	39	21	19	13	25	30
22	36	40	13	23	34	38	23	20	13	40	29	36	25	37	17	11	28	39	32	11	36	25	23	38	19	11
23	13	15	31	28	29	36	25	38	18	12	16	39	25	13	33	36	32	21	36	29	31	16	19	12	24	31
24	19	15	25	32	26	38	39	40	21	38	29	14	34	33	12	27	12	31	40	38	17	36	21	34	35	13

SHEET 4

UNCLASSIFIED

UNCLASSIFIED

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
00 01 02 03 04 05 06 07 08 09 ND*

*ND is abbreviation for "No Data in the message"

DATE

25	32	35	37	16	32	40	35	37	12	19	11	38	22	40	32	27	36	39	13	31	16	23	33	13	19	38
26	37	37	23	13	19	15	31	31	34	19	36	15	23	22	18	17	19	39	26	25	13	11	34	32	39	30
27	34	24	35	37	32	15	19	20	13	31	33	22	38	25	33	35	16	32	40	19	14	23	26	38	29	12
28	14	16	31	34	40	28	35	15	34	38	14	22	38	12	21	31	36	13	19	17	31	23	35	17	21	38
29	14	36	14	21	16	31	18	29	27	31	37	21	22	33	40	17	39	29	27	36	14	31	28	14	34	23
30	17	13	15	31	16	39	36	14	21	23	32	34	37	19	30	12	20	17	40	15	38	25	13	31	40	21
31	36	40	12	11	31	37	35	26	15	26	38	35	33	28	22	39	17	19	14	13	40	15	20	11	13	14

RESERVE VALUES

#1	15	14	36	29	36	34	23	13	11	32	12	38	39	40	33	14	21	39	12	30	16	34	37	22	19	14
#2	16	40	34	39	37	34	37	12	14	17	34	38	25	13	37	27	39	29	25	31	26	32	11	28	25	13
#3	38	36	40	13	19	36	12	22	34	21	19	33	22	31	39	23	40	20	11	13	21	26	24	38	24	37
#4	13	17	19	13	36	38	29	32	24	37	38	14	31	15	36	28	31	38	30	21	32	23	34	34	13	22
#5	14	31	27	26	35	38	40	31	12	38	40	11	31	40	25	17	19	16	23	37	20	22	13	34	38	39

ITEM 10A

SHEET 5

UNCLASSIFIED

SIGNAL OPERATION INSTRUCTIONS

(2 SHEETS)

UNCLASSIFIED

84TH INF DIV
CAMP HOWZE, TEX
15 JULY 43

MESSAGE AUTHENTICATION-CONVERTER M-209-A

1. THIS MESSAGE AUTHENTICATION SYSTEM IS FOR USE WITHIN THIS DIVISION BY ALL HEADQUARTERS HOLDING THE CONVERTER M-209-A.
2. THIS SYSTEM WILL BE MEMORIZED BY ALL USING PERSONNEL SINCE THIS ITEM OF SOI WILL NOT BE TAKEN ON MANEUVERS OR INTO COMBAT.
3. ALL MESSAGES, MAP ORDERS, OVERLAYS, ETC NORMALLY CARRY A "TIME SIGNED". THE "TIME SIGNED", WITH THE DATE, IS THE BASIS OF THE SYSTEM. IN CASE THERE IS NO "TIME SIGNED" THE MESSAGE CENTER "TIME FILED" WILL BE USED AND WILL BE PLAINLY ENTERED ON ANY MESSAGE, MAP, OVERLAY OR ORDER.
4. THE AUTHENTICATION CONSISTS OF A TWO LETTER GROUP, TRANSMITTED JUST BEFORE THE ~~BT~~ (BREAK) AT THE BEGINNING OF THE TEXT, IN CASE OF ELECTRICAL TRANSMISSION. ON BLANKS FROM THE MESSAGE BOOK M-210, IT WILL BE PLACED ABOVE THE WORD "MESSAGE".
5. THE TWO LETTER AUTHENTICATION IS DETERMINED IN THE FOLLOWING MANNER:
ASSUME A MESSAGE, MAP, OVERLAY, OR ORDER, ETC. SIGNED AT 12:45 ON 1 JULY (HEREAFTER REFER TO THIS AS MSG)
 - A. SET PINS & LUGS ON CONVERTER M-209-A ACCORDING TO SET-UP FOR DAY MESSAGE SIGNED.
 - B. SET LETTER COUNTER AT ~~0000~~.
 - C. PLACE DAY OF MONTH BEFORE TIME SIGNED FORMING A SIX DIGIT GROUP. ~~011245~~
 - D. SUBSTITUTE A FOR 1, B FOR 2, ...J FOR ~~Ø~~
~~Ø11245~~
JAABDE
 - E. SET THESE LETTERS IN ORDER ON THE SIX PIN WHEELS OF CONVERTER M-209-A
 - F. PRESS RESET BUTTON AND ROTATE RESET KNOB TOWARD YOU UNTIL LAST TWO DIGITS OF LETTER COUNTER ARE THE SAME AS LAST TWO DIGITS OF TIME SIGNED (IN THIS EXAMPLE ~~0045~~)

UNCLASSIFIED

UNCLASSIFIED

- 6.
 - G. ENCIPHER THE FIRST TWO LETTER OF THE DAY OF THE WEEK (IN THIS CASE THURSDAY).
 - H. THE RESULTING TWO LETTERS (IN THIS CASE HC) FOR THE AUTHENTICATION.
 - I. PLACE THE AUTHENTICATION ON THE MESSAGE AS INDICATED IN PAR. 4 ABOVE.
- 6. ON INCOMING MESSAGES THE AUTHENTICATOR WILL BE CHECKED BY REPEATING THE ABOVE PRECESS.

UNCLASSIFIED

ITEM 10B

SHEET 2

SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
15 JULY 43

UNCLASSIFIED

TELEPHONE AUTHENTICATION

- A. THIS TELEPHONE AUTHENTICATION SYSTEM IS FOR USE WITHIN THIS DIVISION BY ALL PERSONNEL USING THE TELEPHONE.
- B. IT WILL BE MEMORIZED BY ALL OFFICERS AND ALL OTHERS WHOSE DUTIES REQUIRE THEM TO USE THE TELEPHONE.
- C. THIS ITEM OF SOI WILL NOT BE TAKEN INTO MANEUVERS OR COMBAT.
- D. THE CHALLENGE WILL CONSIST OF ANY THREE WORDS. CARE WILL BE EXERCISED TO AVOID EXTREMELY SHORT OR LONG WORDS, AND REPETITIOUS USE OF WORDS. THE ANSWER WILL CONSIST OF ANY OTHER THREE WORDS WHOSE INITIAL LETTERS ARE THE SAME AS THOSE OF THE CHALLENGE.
- E. EXAMPLE:

CALLED PARTY (ANSWERING PHONE)	KING 3
CALLING PARTY (CHALLENGING)	KNOW YOUR ENEMY
CALLED PARTY (ANSWERING CHALLENGE AND CHALLENGING IN TURN)	KILL YELLOW EYES
CALLING PARTY (ANSWERING CHALLENGE)	KEEP YANKEE ENGINEER
CALLED PARTY	GO AHEAD

ITEM 10C

SHEET 1

UNCLASSIFIED

SIGNAL OPERATION INSTRUCTIONS

(2 SHEETS)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 0501 Z**UNCLASSIFIED**IDENTIFICATION PANEL CODE
NO 4ENCODING SECTION

<u>UNIT</u>	<u>PANEL</u>	
	EFFECTIVE 6TH TO 20TH OF THE MONTH	EFFECTIVE 21ST TO 5TH OF THE MONTH
84TH INF DIV (CP)	524	068
84TH INF DIV (RR ECH)	471	188
84TH CAV RCN TR	472	189
333RD INF	473	190
1ST BN	474	191
2ND BN	475	192
3RD BN	476	193
334TH INF	477	194
1ST BN	478	195
2ND BN	479	196
3RD BN	480	197
335TH INF	481	198
1ST BN	482	199
2ND BN	483	200
3RD BN	484	201
84TH DIV ARTY (CP)	485	202
325TH FA BN	486	203
326TH FA BN	487	204
327TH FA BN	488	205
909TH FA BN	489	206

ITEM 11SHEET 1**UNCLASSIFIED**

UNCLASSIFIED

DECODING SECTION

	<u>PANEL</u>	<u>UNIT</u>
EFFECTIVE 6TH TO 20TH OF THE MONTH	EFFECTIVE 21ST TO 5TH OF THE MONTH	
	068	84TH INF DIV (CP)
471	188	84TH INF DIV (RR ECH)
472	189	84TH CAV RCN TR
473	190	333RD INF
474	191	1ST BN
475	192	2ND BN
476	193	3RD BN
477	194	334TH INF
478	195	1ST BN
479	196	2ND BN
480	197	3RD BN
481	198	335TH INF
482	199	1ST BN
483	200	2ND BN
484	201	3RD BN
485	202	84TH DIV ARTY (CP)
486	203	325TH FA BN
487	204	326TH FA BN
488	205	327TH FA BN
489	206	909TH FA BN
524		84TH INF DIV (CP)

UNCLASSIFIED

~~SECRET~~ **UNCLASSIFIED**

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 0501 z

SOUND SIGNALS
NO 2

SIGNAL

THREE (3) LONG BLASTS OF A WHISTLE, MOTOR HORN, SIREN OR KLAZON REPEATED SEVERAL TIMES; OR THREE (3) EQUALLY SPACED SHOTS WITH RIFLE OR PISTOL; OR THREE (3) SHORT BURSTS OF FIRE FROM MACHINE GUN OR SUBMACHINE GUN.*

MEANING

ATTACK BY RAIDING PARTIES, AIRBORNE TROOPS, AIR FORCES, AND MECHANIZED ELEMENTS.

PERCUSSION SOUNDS SUCH AS THOSE PRODUCED BY BELLS, TRI-ANGLES, IRON RAILS AND EMPTY CARTRIDGE CASES, STRUCK RAPIDLY AND CONTINUOUSLY.

GAS ALARM.

FIVE (5) BLASTS OF A WHISTLE, MOTOR HORN, SIREN OR KLAXON.

ALL CLEAR.

* THE INDIVIDUAL GIVING THE SIGNAL POINTS IN THE DIRECTION OF THE IMPENDING DANGER. THE ALARM SIGNAL WILL BE SUPPLEMENTED BY VOICE WARNING TO INDICATE THE DIRECTION OF DANGER. REFERENCE FM 24-5.

ITEM 13

SHEET 1

~~SECRET~~ **UNCLASSIFIED**

SIGNAL OPERATION INSTRUCTIONS

UNCLASSIFIED

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 0501

AIRCRAFT SIGNALS
NO 2

1. THE FOLLOWING SIGNALS FOR AIRCRAFT ARE PRESCRIBED
FOR USE WITHIN THE 84TH INF DIV

COMMAND SIGNALS

<u>SIGNAL</u>	<u>MEANING</u>
AIRCRAFT THROTTLES MOTOR TWICE (PROPELLER IN LOW PITCH)	DISPLAY PANELS (IDENTIFICATION OR MARKING)
AIRCRAFT ZOOMS TWICE	NOT UNDERSTOOD
AIRCRAFT ROCKS TWICE	UNDERSTOOD
AIRCRAFT ROCKS WHILE FLYING LOW OVER COLUMN	ALERT FOR HOSTILE AIRCRAFT
FISHTAIL, FLYING TOWARD ENEMY	ENEMY MECHANIZED UNITS APPROACHING YOU FROM (DIRECTION)

2. ARTILLERY FIRE CONTROL SIGNALS WILL BE PRESCRIBED
BY THE ARTILLERY OFFICER.

ITEM 14

SHEET 1

UNCLASSIFIED

(1 SHEET)

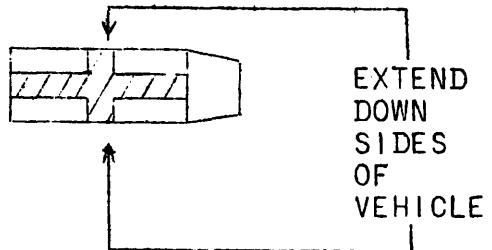
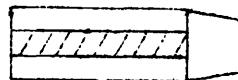
84TH INF DIV
CAMP HOWZE, TEX
10 MAR 43 0501 2

UNCLASSIFIED

VISUAL SIGNALS
NO 1

MARCH MESSAGE CENTER

MESSAGE FOR AIRPLANE PICK-UP
(WHEN THIS SIGNAL IS DIS-
PLAYED, OBSERVER WILL DROP
A MESSAGE GIVING LOCATION
OF FIELD HE WILL USE FOR
PICK-UP.)



LEADING VEHICLE OF COLUMN



LAST VEHICLE OF COLUMN



PANELS TO BE OF SUITABLE WHITE MATERIAL, OTHER
THAN ISSUED PANELS, CONSTRUCTED FOR QUICK ATTACHMENT
AND REMOVAL. MINIMUM WIDTH OF PANELS TO BE APPROXIMATE-
LY ONE-THIRD OF TOP OF VEHICLE ON WHICH USED.

UNCLASSIFIED

ITEM 15

SHEET 1

SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 0501 Z**UNCLASSIFIED**PYROTECHNIC CODE
NO 3MEANING

UNDERSTOOD
I AM LOCATED HERE
THIS IS OUR FRONT LINE
OBJECTIVE TAKEN
FIRE BARRAGE

SIGNAL GROUND							
JUNE	JULY	AUGUST	SEPT	JUNE	JULY	AUGUST	SEPT
25-30	1-15	16-31	1-15	16-31	1-15	16-30	
				M-19	M-21	M-17	M-20
				M-21	M-17	M-19	M-21
				M-17	M-20	M-18	M-19
				M-20	M-19	M-22	M-20
				M-18	M-22	M-19	M-18

UNDERSTOOD
FRIENDLY PLANE
DISPLAY PANELS OR
MARKING
MECHANIZED ATTACK

SIGNALS AIRCRAFT							
JUNE	JULY	AUGUST	SEPT	JUNE	JULY	AUGUST	SEPT
25-30	1-15	16-31	1-15	16-31	1-15	16-30	
				M-11	M-14	M-16	M-10
				M-10	M-15	M-11	M-14
				M-15	M-16	M-10	M-11
				M-16	M-11	M-14	M-15

UNDERSTOOD
ARTILLERY IS FIRING
SHORT
LIFT BARRAGE

CARTRIDGE VERY, 10 GAGE							
JUNE	JULY	AUGUST	SEPT	JUNE	JULY	AUGUST	SEPT
25-30	1-15	16-31	1-15	16-31	1-15	16-30	
				WHT	RED	GRN	RED
				GRN	WHT	RED	GRN
				RED	GRN	WHT	GRN

NOTE: GRN - GREEN, WHT - WHITE

NOTE: SIGNALS, GROUND

WHITE STAR PARACHUTE, M-17
WHITE STAR CLUSTER, M-18
GREEN STAR PARACHUTE, M-19
GREEN STAR CLUSTER, M-20
AMBER STAR PARACHUTE, M-21
AMBER STAR CLUSTER, M-22

SIGNALS AIRCRAFT

RED STAR PARACHUTE, M-11
RED STAR PARACHUTE CLUSTER M-14
WHITE STAR BLINKER, M-15
GREEN STAR BLINKER, M-16
WHITE STAR PARACHUTE, M-10

ITEM 16

SHEET 1

UNCLASSIFIED

SIGNAL OPERATION INSTRUCTIONS

(1 SHEET)

84TH INF DIV
CAMP HOWZE, TEX
8 JULY 43 0501Z**UNCLASSIFIED**SMOKE SIGNAL CODETHE FOLLOWING SMOKE SIGNAL CODE WILL BE USED BY
THE 84TH INF DIV AND BY ALL SUBORDINATE ELEMENTS THEREOF.IN THE SCHEDULE BELOW THE SIGNAL SHOWN IS A SINGLE
COLOR, OR TWO COLORS DISPLAYED IN RAPID SUCCESSION.MEANING

1. CHALLENGE (ARE YOU FRIENDLY?) OR I AM FRIENDLY; OR, UNDERSTOOD.....
2. MARK FRONT LINE; OR, THIS IS MY FRONT LINE.....
3. OBJECTIVE TAKEN..
4. FIRE BARRAGE.....
5. LIFT BARRAGE.....
6. ARTILLERY FIRING SHORT.....
7. DISPLAY IDENTIFICATION PANELS
8. AM BLOCKED BY ENEMY RESISTANCE TO MY FRONT.....

DAY OF MONTH - ALL CHANGES AT 0501Z					
1-5	6-10	11-14	15-21	22-25	26-31
Y	W	R	V	O	W
W	O	Y	W	R	O
O	R	B	Y	B	R
R-O	O-W	B-W	R-R	O-R	W-B
V	Y	V	O	W	Y
R	B	W	R	V	B
B	V	O	B	Y	V
O-Y	R-B	O-O	O-W	R-V	V-V

COLOR KEY

O--ORANGE
B--BLACK
R--RED
W--WHITE
Y--YELLOW
V--VIOLET

STANDARDIZED SMOKE COLORS

ORANGE
RED
YELLOW
VIOLET
WHITE
BLACK

UNCLASSIFIED